A			<b>~</b> : .:	•
Skills Revision	Ratio.	Scale &	Similar	figures

Name: Form:

1	Simplify these ratios:		
	a	18:24	
	b	8:2	
	c	24 : 6	
	d	56 : 8	
	e	4.5:2.4	
	f	0.21:0.6	
	g	2.5:3	
	h	$3\frac{1}{2}$ : $2\frac{1}{5}$	
2	Find the missing numbers:		
	a	6 : 7 = □ : 21	
	b	<b>4</b> : <b>3</b> = <b>12</b> : □	
	c	7 : □ = 28 : 16	
	d	□: 3 = 48 : 36	
	e	$1:18=3\frac{1}{2}:\Box$	
3	Simplify the following ratios:		
	a	6 m : 120 cm	
	b	200 g : 1.2 kg	
	c	45 min : 3 h	
	d	2 h : 6 min	
4	The following ingredients are used to make a coloured render cement:		
	2 parts cement, 6 parts sand, 3 parts lime, 4 parts colouring and 15 parts water		
	a What is the ratio of cement to water?		
	<b>b</b> What is the ration of cement to sand to lime?		
	<b>c</b> Express the ratio of each ingredient to the others in simplest form.		
	<b>d</b> Express the ratio of each ingredient to the total in simplest form.		

Skills Revision Ratio, Scale & Similar figures					
5	Cordial and water are combined in the ratio of 1:7.  a) How much water needs to be combined with 125 mL of cordial?  b) If I wanted to make 2 litres of the mixed drink, then how much of each do I need?				
6	Find the value of the pronumerals in the following pairs of triangles:  a  b  A  3-8 cm  B  5-2 cm  J  13 cm				
7	Tran wants to determine the height of the building. He stands 452 m away from the foot of the building. There is a tree 32 m in front of him, which is 20 m high. How tall is the building to the nearest metre.				

